

LABOS, Elemer; SALANKI, Janos

The effect of alkali metal ions and alkaline earth metal ions on the rhythmic activity of glochidia of the fresh-water mussel *Anodonta cygnea* L. *Annales biol Tihany* 30:45-57 '63.

Testing double innervation in the control of the tonus of the constrictor of a fresh-water mussel (*Anodonta cygnea* L.). *Ibid.*:87-101

1. Director, Tihany Research Institute of Biology, Hungarian Academy of Sciences (for Salanki).

HUNGARY

SALANKI, Janos, IABOS, Elemer; Medical University of Debrecen, Institute of Physiology (Debreceni Orvostudományi Egyetem, Elettani Intézet).

"Studies on the Double Innervation in the Regulation of Adductor Muscle Tone in the Clam *Anodonta Cygnea* L."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 55-66.

Abstract: [English article, authors' English summary modified] The responses given by the posterior adductor muscle consisting of smooth muscle fibres in the clam, to the electrical stimulation of the nerve (cerebrovisceral connectivum) running to it, and the action potentials obtainable from the isolated cerebro-visceral connectivum in response to single impulses have been investigated. On changing the stimulation parameters, significant changes have been observed in the muscle response. These are described in detail. The action potential recorded from the isolated cerebro-visceral connectivum in response to stimulation with single impulses has several, clearly distinct components. Of these, the two principal ones could be separated by changing the parameters of stimulation. It is assumed that the adductor muscle has a double, antagonistic innervation, special innervation serving not only during contraction but also for the relaxation of the muscle in the tonic state. Correspondingly, relaxation of the muscle in the tonic state is not a passive process, but appears to result from an active nervous effect. 2 Eastern European, 8 Western references.

1/1

15

LABOS, Elemer; SALANKI, Janos

Effect of alkali metal and alkali earth metal ions on the rhythmic activity of the glochidia of fresh-water mussels (*Anodonta cygnea* L.). Biol kozl 11 no.2:107-118 '64.

1. Biological Research Institute, Hungarian Academy of Sciences, Tihany; Institute of Physiology, Debrecen Medical University.

LABOS, Elemér; ZS. NAGY, Imre; BENKO, Karoly; SALANKI, János

Electrophysiological and electromicroscopical data on  
the composition of the cerebrovisceral connective tissues  
of *Anadonta cygnea* L. Biol közl 11 no.2:119-124 '64.

1. Biological Research Institute, Hungarian Academy of  
Sciences, Tibany; Institute of Histology and Embryology,  
Central Research Laboratory, and Institute of Physiology,  
Debrecen Medical University.

LABOS, E.; SALANKI, J.; KLITYNA, Galina R.

The effect of cholinotropic drugs on the rhythmic activity of glochidia of fresh-water mussel (*Anodonta cygnea* L.). *Acta biol. Acad. sci. Hung.* 15 no.2:119-128 '64

1. Biological Research Institute of the Hungarian Academy of Sciences, Tihany (Head: J. Salanki), and Institute of Physiology, Medical University, Debrecen (Head: St. Went [deceased]).

LABOS, Elemer

A new method for recording the rhythmic activity of adductor of larvae of fresh-water mussel (Glochidia). Annales biol Tihany 31:23-26 '64.

Studies on the electric excitability of the adductor muscle of Glochidia. Ibid.:27-37

1. Submitted February 18 and 19, 1964.

SALANKI, Janos, dr.; LABOS, Elemer

Reflex investigations on the visceral ganglion of the fresh-water mussel (*Anodonta cygnea* L.). *Annales biol Tihany* 31:123-132 '64.

1. Director, Research Institute of Biology of the Hungarian Academy of Sciences, Tihany (for Salanki). Submitted February 28, 1964.

SALANKI, Janos, dr.; LABOS, Elemer; NAN, Istvan

Electrophysiological properties of the cerebrovisceral  
connective of the fresh-water mussel (*Arcodonta cygnea* L.).  
*Annales bio Tihany* 31:133-145 '64.

1. Director, Research Institute of Biology of the Hungarian  
Academy of Sciences, Tihany (for Salanki). 2. Physiological  
Institute of Debrecen Medical University (for Nan.) Submitted  
February 21, 1964.



LABOS, Elemer; NAGY, Imre Zs.; BENKO, Karoly; SALANKI, Janos

Electrophysiological and electron microscopic studies on the fibre composition of the cerebrovisceral connective of *Andonta cygnea* L. *Annales biol Tihany* 30:59-65 '63.

1. Department of Anatomy. Histology and Embryology, Medical University of Debrecen (for Nagy). 2. Central Research Laboratory, Medical University of Debrecen (for Benko). 3. Director, Tihany Research Institute of Biology. Hungarian Academy of Sciences (for Salanki).

LABOS, Elemar; SALANKINE ROZSA, Katalin, dr., a biologiai tudományok  
kandidátusa, tudományos munkatárs; SALANKI, János, dr.

On the role of SH-groups in the rhythmic activity of  
adductor muscle of Glochidia. Annales biol Tihany 31:39-  
54 '64.

1. Research Institute of Biology of the Hungarian Academy of  
Sciences, Tihany. 2. Director, Research Institute of Biology  
of the Hungarian Academy of Sciences, Tihany (for Salanki).  
Submitted March 11, 1964.

SALANKI, Janos; LABOS, Elemer

Reflex examinations on the visceral ganglion of freshwater  
mussels (*Anodonta cygnea* L.). Biol kozl 12 no.1:33-41 '64.

1. Research Institute of Biology of the Hungarian Academy of  
Sciences, Tihany.

YUGOSLAVIA

Dr Ivan LABOS, Department of Internal Medicine, General Hospital  
(Interno odeljenje Opste bolnice) Head (Upravnik) Primarius Dr A.  
MIKES, Banja Luka.

"Pulmonary Emphysema as a Current Clinical Problem."

Belgrade, Medicinski Glasnik, Vol 17, No 2, Feb 63; pp 67-70.

Abstract : Comprehensive review of pathophysiology of chronic bronchitis and pulmonary emphysema, stressing early circulatory changes and hypoxemic-hypercapnic states leading eventually to cor pulmonale and other major complications; thence deriving cautionary statements about applicability of oxygen, drugs. Respiratory exercises are emphasized.

1/1

LABOS, I. d.

Role of the fibrinolytic activity in the treatment of coronary thrombosis. Med. glas. 17 no.6:251-252 Je-Jl '63.

1. Interno odeljenje Opste bolnice u Banjaluci (Sef: prim. dr. A. Mikes).

YUGOSLAVIA

Ivan LABOS, Department of Internal Medicine of General Hospital (Interno odeljenje Opste bolnice) Chief (Sef) Primarius Dr Andrija MIKES, Banja Luka.

"Electrocardiogram in Chronic Cor Pulmonale. Study of 47 Treated Cases."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 2, Feb 63; pp 157-168.

Abstract [French summary modified]: Twelve-lead EKG data in 30 women and 17 men aged 25 to 70, all with chronic cor pulmonale; classification into 5 groups according to EKG. Diagnostic and prognostic factors are discussed. Five EKGs; 1 Yugoslav and 9 Western references.

1/1

LABOS, I., dr.

Aldosterone in edema syndrome. Hyperaldosteronism in congestive cardiac insufficiency. Med. glas. 18 no.9:275-279 S '64.

1. Interni odjel Opšte bolnice u Banja Luci (Sef: prim.dr. M. Mikes).

LALOSEVIC, Dorde, ing. (Beograd, Brace Stamenkovica 13); PANOS, Ladislav, ing.  
(Beograd, Kapetan Misina 21); JELIC, Veljko, ing. (Beograd, Strahinjica Bana 35)

The boat "Kosmaj," the first towboat in Yugoslav inland navigation.  
Brodarstvo 3 no. 8/9:309-316 J1-D 60.

1. Technical Editor, "Brodarstvo" (for Lalosevic).



(A) L 11652-66 EPA/EWT(1)/EWT(m)/EWP(r)/EPF(n)-2/T/ETC(m) WW/DJ  
 ACC NR: AP6002954 SOURCE CODE: UR/0286/65/000/024/0125/0125

INVENTOR: <sup>4/4</sup>Bakharev, A. P.; <sup>4/1</sup>Kislov, V. G.; <sup>4/4</sup>Zhitnikov, Ye. S.; <sup>4/4</sup>Miroshnichenko, V. G.;  
 Labotorin, V. A.

ORG: none <sup>4/4</sup>

TITLE: <sup>4/4</sup>Fuel pump <sup>2/1</sup>for internal combustion engines. Class 46, No. 177229 [announced  
 by Noginsk Fuel Equipment Factory (Noginskiy zavod toplivnoy apparatury)]

SOURCE: <sup>4/4</sup>Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 125

TOPIC TAGS: fuel pump, internal combustion engine

ABSTRACT: The proposed fuel pump contains a cylindrical piston which moves inside  
 a sleeve and which has radial ports emerging from the upper part of the control  
 grooves. To increase the piston's angle of rotation in order to increase the control

Fig. 1. Fuel pump

1 - Piston; 2 - radial ports; 3 - control grooves.

Card 1/2 UDC: 621.43.038.5

L 11552-66

ACC NR: AP6002954

range, the grooves are made straight along a radius greater than the radius of the piston (see figure). Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 15Jan65/ ATD PRESS: 4175

Card 2/2

CZECHOSLOVAKIA/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20240.

Author : V. Labounek.

Inst : Not given.

Title : The Effect of Crop Yielding Factors on the Productivity of Winter Wheat at Different Crop Densities. (Vliyanie faktorov urozhaynosti na produktivnost' ozimoy pshenitsy pri raznoy gustote poseva.)

Orig Pub: Sbor. Ceskosl. akad. zemed. ved. Rostl. vyroba, 1956, 29, No 12, 1209-1222.

Abstract: Tests were conducted at the Higher Agricultural School in Brno to study the biological factors (the various capacities for wintering, bushiness, absolute seed weight, etc.) which exert an effect on the yielding capacity of winter wheat. The basic varieties are characterized according to these

Ca: Card : 1/2

SONKA, J.; LABOUNKOVA, Z.; JANDA, J.

Oxygen utilization by the erythrocytes in clinical syndromes. Cas.  
lek.cesk. 99 no.3/4:106-111 22 Ja '60.

1. III. interni klinika KU, prednosta akademik J. Charvat.  
(OXYGEN blood)  
(ERYTHROCYTES)

JENICEK, M.; Spoluprace: BRANISLAVOVA, K.; JANACKOVA, H.; LABOUNKOVA, Z.;  
MIKULOVA, J.

Training of new unskilled operation as a provoking agent of the  
general adaptation syndrome. Cesk. hyg. 9 no.9:535-541 0 '64.

1. Katedra hygieny deti, dorostu a vyzivy lek. fak. hygienicke  
Karlovy University, Praha.

(5)

CZECHOSLOVAKIA

SYMON, K.; MUSIL, J.; KNOTEK, Z.; CHALUPA, J.; LABOUNKOVA, Z.;  
SCHMIDT, P.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. Chair of Hygiene of the UDL (Katedra hygieny UDL), Prague

Prague, Ceskoslovenska Hygiena, No 8, 1964, pp 475-481

"Risk of Using Chlorine Dioxide in the Treatment of Water in Waterworks. Hygienic Education."

LABOUTKA, Karel, inz.; HODISTEK, Bohumil, inz.

Nonmetal panel he ling bodion. Zdrav. tech. no. 1513-24, 1964

1. Czech Higher School of Technology, Prague.

LABOUTKA, K.; JOKL, N.

Reducing the effect of radiation on the exposed surface. p. 179. (Strojirenstvi, Vol. 7, No. 3, Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.



LABOUTKA, K., inz.; BASUS, V., inz.

Conference of the alumni of the Faculty of Mechanical Engineering  
of the Czech Higher School of Technology. Zdravot tech 7 no.6:271-  
274 '64.

1. Czech Higher School of Technology, Prague (for Laboutka). 2.  
Institute of Industrial Hygiene and Occupational Diseases, Prague  
(for Basus).

LABOVA, Marie; SEDLACKOVA, Eva

Disorder of musical hearing in hyperkinetic dysphonia in children.  
Cesk. otolaryng. 11 no.1:4-7 F '62.

1. Foniatricks laborator fak. vseob. lek. KU v Praze, prednosta prof.  
MUDr. M. Seeman, DrSc.

(SPEECH DISORDERS physiol)  
(HEARING physiol)

EXCERPTA MEDICA Sec 4 Vol 12/7 Med. Micro. July 59

2036. EXPERIMENTAL BASIS OF VACCINE THERAPY OF SCLEROMA (Russian text) - Labova T. A. Dept. of Microbiol., Med. Inst., Vinnitsa - VRACH. DELO 1957, 10 (1041-1043)

Infecting s. c. the tails of white mice with a culture of scleroma bacteria, an inflammatory process pathologically-histologically identical to the scleroma process in man was provoked. Autovaccine was administered s. c. for 15-20 days to 34 patients. Changes in the clinical course of the disease were apparent. In parallel, white mice were vaccinated. The mice acquired immunity after 3-4 weeks, which rendered infection impossible.

Radina - Moscow

LABOVSKIY, M.S.

DPK-168M dock crane. Mor. flot 18 no.8:15-16 Ag '58. (MIRA 11:9)

1. Rukovoditel' gruppy Tsentral'nogo proyektno-konstruktorskogo  
byuro - 3.  
(Cranes, derricks, etc.) (Docks)

LABOVSKIY, M.S.; SUPRUNOV, A.S.

Designing turntable ball bearing for excavators and cranes.  
Stroi. i dor. mashinestr. 4 no.1:25 Ja '59. (MIRA 12:1)  
(Bearings (Machinery)) (Excavating machinery)  
(Cranes, derricks, etc.)

LABOVSKIY, M. S. inzh.

Strengthening the boom mechanism of "Kaiar" gantry  
cranes. Mor.flot. 20 no.8:10-11 Ag '60.  
(MIRA 13:8)

1. TSentral'noye proyektno-konstruktorskoye byuro Nr.1  
Ministerstva morskogo flota.  
(Cranes, derricks, etc.)

LABOVSKIY, N.I., red.; RESHETIN, G.V., tekhn. red.

[Instruments and laboratory equipment developed by the Central Experimental Design Office of the Instrument Industry; catalog] Pribory i laboratornoe oborudovanie, razrabotannye Tsentral'nym opytno-konstruktorskim biuro priborostroeniia; katalog. Moskva, Sel'khozizdat, 1962. 56 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khozyaystva. Upravleniye nauki, propagandy i vnedreniya peredovogo opyta. Tsentral'noye opytno-konstruktorskoye byuro priborostroyeniya. (Instruments) (Laboratories--Equipment and supplies)

LABOZIN, P.G. (Moskva)

Calculation of multiple-hollow and ribbed slabs taking into account shear deformations. Stroi. mekh. i rasch. soor. 4 no.2:  
5-10 '62. (MIRA 15:5)

(Elastic plates and shells)



LABOZIN, P. G., Cand Tech Sci -- (diss) "Transverse bending of supporting plates exhibiting constructional anisotropies." Moscow, 1960. 12 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor, Red Banner Engineering-Construction Institute im V. V. Kuybyshev); 400 copies; price not given; (KL, 19-60, 134)

KASHKAROV, K.P., kand. tekhn. nauk; LABOZIN, P.G., kand. tekhn. nauk

Design of the reinforcement of door openings in bearing  
partitions under bending strain. Bet. i zhel.-bet. no.11:  
520-522 N '61. (MIRA 16:8)

(Reinforced concrete construction)

KASHKAROV, K.P., kand. tekhn. nauk; LABOZIN, P.G., kand. tekhn. nauk

Increasing the precision of the assembly of large-panel buildings.  
Nauch. trudy NIIMostroia no.1:18-28 '64. (MIRA 19:2)

1 35543-65 EWT(d)/EWP(h)/EWP(l)

ACCESSION NR: AP5008167

B/0286/65/000/005/0063/0063

AUTHORS: Vol'mov, V. A.; Labozin, P. G.

TITLE: A rail section with ferroconcrete half-ties for track beneath a crane.  
Class 35, No. 168851

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 63

TOPIC TAGS: reinforced concrete, railroad track, crane

ABSTRACT: This Author Certificate presents a rail section with ferroconcrete half-ties for track beneath a crane. To facilitate mounting and dismounting the track while maintaining control of rigidity, the half-ties are held together by flexible inserted tie rods, the ends of which are hinged for swinging in the vertical plane (see Fig. 1 on the Enclosure). Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 17Jul62

ENCL: 01

SUB CODE: GM

NO REF SOV: 000

OTHER: 000

Card 1/2

LABRENTS, V. [Labrencis, V.]; ODIN', Ya. [Odins, J.]; SPRIVULIS, Z.,  
red.; ZHAGARS, A., tekhn. red.

[Tables for the calculation of earthwork with trapezoidal  
and trapezoidal-parabolic cross sections] Tablitsy dlia ras-  
cheta zemlianykh rabot pri trapetseidal'noi i trapetseidal'no-  
parabolicheskoi forme poperechnykh sechenii. Riga, Latvi-  
skoe gos. izd-vo, 1963. 236 p.  
(Earthwork--Tables, calculations, etc.) (MIRA 16:4)

LABRISHCHEVA, L. N.

USSR/ Chemistry Synthesis

Card : 1/1 Pub. 40 - 23/27

Authors : Petrov, A. D., and Labrishcheva, L. N.

Title : Synthesis of paraffinic hydrocarbons with two series of quaternary carbons

Periodical : Izv. AN SSSR. Otd. khim. nauk 4, 733 - 740, July - August 1954

Abstract : The difficulties involved in organo-magnesium synthesis of individual paraffinic hydrocarbons, with two series of quaternary carbons, are analyzed. Methyl-tertiary-butylallylcarbinol is the raw material mostly recommended for the synthesis of hydrocarbons with two series of quaternary carbons. Twelve references: 8 USSR; 3 USA and 1 German (1889 - 1952). Table.

Institution : Acad. of So. USSR, The N. D. Zelinskij Institute of Organic Chemistry

Submitted : July 10, 1953

BRODSKIY, A.M.; LABROVSKIY, K.P.; MAKAROV, D.V.; MEZENTSEV, A.N.; FISH,  
Yu.L.

Radiation-thermal cracking of gas oil. Neftekhimiia 2 no.3:  
332-338 My-Je '62. (MIRA 15:8)

1. Institut neftekhimicheskogo sinteza AN SSSR.  
(Cracking process) (Petroleum products)

LABROV, V. V.

"Morphogenetic Classification of the Oligocene Iron Ores of the Continental Valley Type" (Deposits of Useful Minerals, Ferrous Ores) Vestn. AN Kaz. SSR, No. 9, 1953, pp 103-106

Abs

W-31146, 1 Feb 55



LABROWSKI, Tadeusz, mgr inż.

Feeding installations of the Warsaw electric commuter railroads.  
Przełk kolej elektrotach 15 no.4:98-104 Ap '63.

*LABORATORY*  
WENKE, M.; LABSNA, J.

Differential determination of fructose and of glucose in a 0, 1 ml  
blood sample. Cas. lek. cesk, 93 no.1:23-25 8 Jan 1953. (CML 25:5)

1. Of the Institute of Pharmacology (Head--Prof. B. Polak, M.D.)  
of Charles University, Prague.

2 bsk, J

On the basis of the results of the above experiments, the following method is suggested for the determination of fructose and glucose in the same sample of 0.1 ml. of a 1% solution. To a centrifuge tube containing 0.5 ml. of the sample solution, 0.1 ml. of the reagent is added and the material centrifuged; 0.5 ml. of the clear supernatant is pipetted into another centrifuge tube. A series of fructose (F) and glucose (G) standards, 0.5 ml. each, is prepared. Into each tube is mixed 2.5 ml. anthrone reagent (4 parts  $H_2SO_4$  and 1 part water; cool, dissolve 2 mg. anthrone for each 2 ml. of  $H_2SO_4$ ), and hold in water at 50-51° for 3 min. (I). After cooling all tubes are read in a photometer at 620 mμ, and each solution poured back into its original centrifuge tube. The tubes are held in water at 77-79° for 5 min. (II). After cooling all tubes are again read at 620 mμ. From the standards are obtained 4 extinction curves (2 after each reaction temp.). The color developed under I is largely from F while the addnl. color under II is about all due to G. The color developed by F under I and II is nearly constant. The curves of the standards allow the concns. of F and G to be calculated; F up to 50 or 180 mg. % and G up to and above 400 mg. % can be determined.

Otto E. Lobstein

HOSTOMSKA, L.; WENKE, M.; Technicka spoluprace: J. Labaka, M. Velatova,  
V. Orhtenhalova, J. Vetvickova

Disorders of reflex regulation of blood sugar in diabetes in  
children. Cesk. pediat. 11 no.7:484-489 July 56.

1. II. detska klinika Pediatr. fak. univ. Karlovy, predn. prof.  
MUDr. J. Houstek, Farmakolog. ustav Fakulty vseobecneho lekarstvi  
KU, predn. prof. Dr. B. Polak.  
(DIABETES MELLITUS, in infant and child,  
disord. of reflex regulation of blood sugar (Cz))

GADZHIYEV, A.D.; DZHAFAROV, A.S.; LABSKER, L.G.

Asymptotic value of approximation of functions by a family  
of linear operators. Izv. AN Azerb.SSR.Ser. fiz.-mat. 1  
tekhnauk no.3:19-28 '62. (MIRA 15:9)  
(Functions, Continuous) (Operators (Mathematics))

LABSKER, L.G.; GADZHIYEV, A.D.

On certain classes of double singular integrals. Izv. AN  
Azerb, SSR. Ser. fiz.-mat. i tekhn. nauk no. 4:37-54, '62.  
(MIRA 16:2)

(Integrals, Multiple)

LABSKER, L.G.

Asymptotic value of the approximation of multiply differentiable  
generalized functions by linear operators. Izv. AN Azerb. SSR.  
Ser. fiz.-mat. i tekhn. nauk no.1:29-43 '63. (MIRA 16:7)

(Functions) (Operators (Mathematics))

LABSKER, L.G.

Asymptotic equalities for the approximation of functions by a family of linear integral operators in the metrics of  $C$  and  $L_p$  spaces. Dokl. AN Azerb. SSR 20 no.2:3-10 '64. (MIRA 17:6)

1. Institut matematiki i mekhaniki AN AzerSSR. Predstavleno akademikom AN AzerSSR A.I.Khalilovym.



L 3165-66 EWT(d)/T IJP(c)

UR/0249/64/020/007/0003/0006

ACCESSION NR: AP5017975

AUTHOR: Labaker, L. G.

16, 44, 55  
13  
B  
TITLE: Asymptotic equalities for the approximation of functions  $f(x, y)$  to some family of linear integral operators in the metrics of spaces  $C$  and  $L_{p_1, p_2}$

SOURCE: AN AzerbSSR. Doklady, v. 20, no. 7, 1964, 3-6

TOPIC TAGS: asymptotic solution, linear operator, integral operator, integral calculus

Abstract: The author considers the integral

$$L_{\lambda}(f; x, y) = \int_{-\infty}^{+\infty} \int_{-\infty}^{+\infty} \left[ \sum_{k=1}^{\infty} p_{k, \lambda} f(x + q_{k, \lambda} t, y + q_{k, \lambda} \tau) \right] K_{\lambda}(\sqrt{t^2 + \tau^2}) dt d\tau,$$

with  $\lambda$  varying over a set  $\Lambda$  of real numbers converging toward  $\lambda_0$ , while  $p_{k, \lambda}, q_{k, \lambda}$  ( $k = 1, 2, \dots; \lambda \in \Lambda$ ) and the kernel  $K_{\lambda}(\rho)$  are subjected to special restrictions. The function  $f(x, y)$  is given and is measurable over the entire plane, and

$$|f(x, y)| \leq \varphi(x, y), \quad 0 < \varphi(x, y) < \infty, \quad -\infty < x, y < \infty,$$

where  $\varphi(x, y)$  is such that, for any  $\lambda \in \Lambda$ ,

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3

$$\int p\psi(qp)K_1(p)dp < \infty,$$

$$\psi(u) = \sup_{\substack{-a < x < a \\ -b < y < b}} Q(x, y; t, \eta).$$

In the present article the author establishes three two-dimensional analogues of his theorems published earlier (DAN Azerb. SSR, No 2, 1964, 3.)

Orig. art. has 12 formulas.

ASSOCIATION: Institut matematiki i mekhaniki (Institute of Mathematics and Mechanics)

SUBMITTED: 30 Sep 63

NO REF SOV: 002

ENCL: 00

OTHER: 001

SUB CODE: MA

JPRS

Card

2/2 ind

IBRAGIMOV, I.I., otv. red.; DZHAFAROV, A.S., red.; MAMEDOV, R.G.,  
red.; LABSKER, L.G., red.

[Studies on the current problems in the constructive  
theory of functions] Issledovaniia po sovremennym proble-  
mam konstruktivnoi teorii funktsii. Baku, Izd-vo <sup>AN</sup>  
Azerbaidzhanskoi SSR, 1965. 637 p. (MIRA 19:1)

1. Vsesoyuznaya konferentsiya po konstruktivnoy teorii  
funktsiy, 2d, Baku, 1962.

CZECHOSLOVAKIA

STEHLICEK, J; LABSKY, J; SIEBENDA, J

Institute of Macromolecular Chemistry, Czechoslovak  
Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 2, February 1967, pp 545-557

"Alkaline polymerization of 6-caprolactam. Part 25:  
The effect of structure of the acyl on polymerization  
activated by acylcaprolactams or diacylamines."

VLADIRMIRSKIY, K. V.; LABSOV, B. A.

" Single sample Spin Generator Spectro-meter "  
Presented at the 10th Annual Colloq. on Radioelectric Research  
(A. M. P. E. R. E.) Leipzig, 13-17 Sep. 1961.

LABSKY, V., ed.

Stavba bytu ve dvouletce; funkcní a smerné plány (redigovali V. Labský, J. Blecha, M. Tryzna. Praha) Ministerstvo informací, 1947. 100 p. (Czechoslovakia. Ministerstvo informací a osvěty. Dvouletka v plánu a v čínech. sv. 1)  
(Construction of dwellings under the Two-Year Plan; functional and guide plans. illus.)

NM

Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

Distr: 483d

551.5:061

9.10-63

Libek, V. Meteorologická a hydrologická služba v Německé demokratické republice. [Meteorological and hydrological service of East Germany.] *Meteorologické Zprávy*, Prague, 10(2):46-48, 1957. 2 photos. Russian summary p. 46. DWB—In connection with a visit of Czechoslovak meteorologists and hydrologists, the organization and activities of the East German Meteorological and Hydrological Service are described. Under the Department of the Interior the Service is headed by an appointed director with an advisory committee of nine members, which convenes at least every three months. The Service is divided into administrative (general administration, personnel, accounting and education) and technical (research, climatology, hydrology, synoptic) departments. The principal fields of research activity are dynamics of the atmosphere, the ionosphere, weather forecasting, agricultural meteorology, bioclimatology, hydrometeorology and instrument construction. The publication program of the Service comprises periodicals for meteorology and applied meteorology, meteorological and hydrological yearbooks, bibliographies, etc. Subject Headings: 1. East German Meteorological and Hydrological Service 2. East Germany.—G.T.—

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July 30, 1959

LABUC, W.

Water-absorbing plates applied to hydrotechnic concrete structures. p. 434.  
(Gospodarka Wodna, Vol. 16, No. 10, Oct 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.



LABUD, A.A.

46702

24.2.70

AUTHORS:

Generalov, V.L., Luk'yanov, S.Yu., Spivak, G.V. and  
Sirotenko, I.G.

TITLE:

Report on the Second All-Union Conference on Gas  
Electronics

PERIODICAL:

Radiotekhnika i elektronika, 1959, Vol. 4, No. 8,  
pp. 1339 - 1350 (USSR)

ABSTRACT:

The conference was organized by the A.S. USSR, the  
Ministry of Higher Education and Moscow State University.  
T.B. Fogel'son - "Methods of Reducing the Energy Lost in the  
Formation of a Breakdown".  
I.I. Pivovarov and V.I. Gergelyenko - "Microdischarges and  
Pre-breakdown Currents Between Metal Electrodes in High  
Vacuum".  
V.A. Simonov and G.P. Katukov - "Investigation of the  
Processes of Initiation and Development of a High-voltage  
Discharge in Vacuum".  
I.I. Zhurav and G.V. Salnikova - "The Character-  
istics of Ignition in High-vacuum in Magnetic Fields".  
K.Y. Zarashev et al. - "The Transfer of the Electrode  
Material during the pre-breakdown stage in vacuum".  
S.M. Znamenskiy et al. - "The Motion of Microdischarge  
Substances During Electric Breakdown in Vacuum".  
The third section dealt with the practical applications of electric  
sparks, corona and thermionic emission. It was  
presided over by I.S. Stepanovich. The following papers  
were read:

V.I. Lebedev et al. - "Probe Investigation of the a.s.  
Corona Field".  
G.M. Alexandrov - "Elementary Processes in the Ionization  
Zone of Corona-type Conductors at Atmospheric Pressures".  
I.A. Burmakina - "Appearance of a Corona Discharge in  
Hydrogen and Nitrogen".  
P.S. Chistyakov et al. - "Some Properties of the Corona  
Discharge in Hydrogen in Cylindrical, Cylindrical System".  
A.S. Soboleva and B.M. Kharfeld - "Appearance of Discharge  
Phenomena Between a Point and a Plane at Gas Pressures of  
 $10^{-3}$  -  $1.0$  mm Hg".  
Ia.I. Mayatskiy et al. - "Methods of Unipolar Ionization of  
Air by Means of Aero-Ionizers (see p. 1335 of the journal)".  
M.P. Yanukov et al. - "The Spectra of the Radiation of  
a Spark Discharge in Inert Gases" (see p. 1284 of the  
journal).  
M.P. Yanukov and A.A. Mak - "Production of High  
Temperatures by Means of Spark Discharges".  
V.A. Pivovarov et al. - "Influence of the Magnetic Field of  
the Electric Discharge on the Dividing Surface of Two Media".  
I.S. Stepanovich - "New Data From the Study of Long  
Sparks".  
M.I. Ermanov - "Properties of the Breakdown of Compressed  
Air in a Comparatively Uniform Field in the Presence of  
Localized Non-uniformities".  
A.A. Vorobiyev et al. - "Pulse and Oscillographic  
Techniques for the Measurement of the Discharge Lag  
in Dielectrics" (see p. 1337 of the journal).  
A paper by E.M. Zhukovskiy dealt with the problem of the  
basic theory of the electric erosion (see p. 1350 of the  
journal).  
The fourth section was presided over by S.Yu. Luk'yanov  
The section was concerned with the non-stationary and  
frequency discharges. The following papers were read:  
I.G. Makzharov and A.A. Lebedev - "The Nature of the  
Current Interruption During the Electric Explosion of  
a Metal Wire".  
V.A. Simonov - "Propagation of Plasma From Local Pulse  
Sources".

Card 7/13  
G.G. Timofeyev et al. - "Observation of an Electro-optical  
Dynamically Compressed Arc By Means of an Electron-optical  
Converter".  
Ia.I. Zhurav and Ia.I. Zhurav - "Investigation of  
the Local Electric Field in an Ion Magnetron".  
V.A. Baluyev and M.K. Ramanovsky - "Experiments with an  
Electron Model of a System with Magnetic Samples".  
A.M. Andrianov et al. - "Distribution of Magnetic and Electric  
Fields in Powerful Pulse Discharges".  
G.M. Harding (England) - "Spectroscopic Determination  
of the Plasma Temperature in the 'Zeta' Equipment"  
(see p. 1326 of the journal).  
The paper by Harding should be of interest and  
Academician L.A. Veksel'shteyn expressed the opinion that  
the electron gun and in temperature in the "Zeta" should  
be of the order indicated, according to Harding,  
the electron gun should be by an order than the  
of the order.

LABUD, A.A.

24/2/78  
AUTHORS:  
Granovsky, V.L., Luk'yanov, G.Yu., Spivak, G.Y. and  
Sirotenko, I.G.

TITLE:  
Report on the Second All-Union Conference on Gas  
Electronics

PERIODICAL:  
Radiotekhnika i elektronika, 1979, Vol 4, No 8,  
pp 1339 - 1358 (USSR)

I.M. Podgornoy and N.G. Koval'skiy - "New Data on X-ray  
Radiation-Firing Pulse Discharges"  
V.A. Khrabrov and N.M. Sukhorokaya dealt with the investi-  
gation of the neutron radiation in powerful gas discharges  
in chambers with conducting walls.  
M.A. Borzhinov et al. - "Investigation of the Gas Discharge  
in a Conical Chamber".  
S.M. Osorova et al. - "A Turn of Plasma in Transverse  
Magnetic Field".  
I.G. Kesaray - "Data on the Division of a Cathode Spot  
on Mercury in a Low-pressure Arc" (see p 1289 of the  
Journal).  
I.G. Kesaray (England) - "A New Theory of the Cathode Spot"  
(see p 1339 of the Journal).  
L.M. Brukova - "Positive Column in a Hydrogen Discharge  
With Stationary and Pulse Loads".  
I.G. Makrashayich and A.A. Labud - "Current Distribution on  
the Surface of Electrodes in Steep Pulse Discharges".  
L.S. Kyz - "Some Properties of Gas Discharges in Low-voltage  
in Halogen Counters".  
G.I. Gletara and V.L. Granovsky - "Comparison of the  
Initial De-ionization in the Isotopes of Hydrogen (H  
and D)".

L.A. Molisiga communicated some results on the pre-breakdown  
currents in low pressures.  
M.A. Khrabrov and A.A. Zaytsev - "Charge-density  
Distribution in Cylindrical Plasma".  
I. Poldick of Czechoslovakia communicated some information  
on the wave-like phenomena in gas-discharge plasma.  
S.G. Khrabrov dealt with the problem of the determination  
of the energy of fast ions in pulse discharges.  
B.R. Kadetsov - "Convection Instability of a Plasma String".  
B.I. Kravitskiy and V.D. Shafirov - "Theory of a High-  
temperature Plasma String".  
The fifth section was presided over by S.A. Lepitov and  
dealt with high-frequency currents in gases. The following  
papers were read:  
I.I. Sokolov - "Formation of Ultra-high Frequency Pulse  
Discharges in Inert Gases".  
G.I. Paleyuk - "Influence of the Boundary Conditions on  
the Formation and Maintenance of High-frequency Discharges".  
S.S. Mulkis et al. - "Investigation of a Self-excited  
Ultra-high Frequency Pulse Discharge and the Process of  
its Development".  
S.M. Zastavker and G.S. Solovov - "Some Results of the  
Investigation of the Formation of Low-pressure High-  
frequency Discharges".  
G. Margham (USA) - "Conductivity of Weakly Ionized  
Plasma".

A.A. Kuznetsov - "The Conditions of Transition From  
High-frequency Corona Discharge at Atmospheric Pressures".  
V.G. Kozlov - "The Relationship Between the Characteristic  
Length of the Ultra-high Frequency Current and the Direct  
Current in Gas Discharges".  
B.R. Kadetsov analysed the conductivity of the disain-  
tegrating plasma in the window of a resonance discharge  
tube.

S.M. Lavitskiy and L.B. Shashurin dealt with the  
applicability of the probe method to high-frequency  
discharges (see p 1338 of the Journal).  
The paper by V. Ye. Mikhlin et al. was devoted to the  
investigation of the properties of high-frequency plasma by  
means of the Stark effect.  
G.S. Solovov et al. dealt with the problem of electric  
fields in high-frequency discharges at low pressures.  
I.G. Kesaray of Romania read a paper entitled "High-  
frequency Discharges in Methane".  
The section of the sixth section was devoted to the problems  
of plasma and its radiation: the section was presided  
over by V.A. Fabrikant. The following papers were read:  
Yu.M. Kagan - "New Methods of Plasma  
Investigation".  
V.I. Dronov - "Oscillographic Measurements in Plasma".  
V.A. Simovet and A. A. Lashkin - "Investigation of the  
Movement of Plasma by Means of a Nova Spectrometer of  
the French Academy of Sciences".

LABUDA, A.A.; NEKRASHEVICH, I.G.

Transparency of vapors produced by electric discharges of wires.  
Inzh.-fiz. zhur. no. 6:40-44 Je '58. (MIRA 11:7)

1. Belorusskiy gosudarstvennyy universitet im. V.I.Lenina, Minsk.  
(Electric discharges)  
(Vapors---Spectra)

NEKRASHEVICH, I.G.; LABUDA, A.A.

Nature of current interruption caused by electric bursts of  
wires [with summary in English]. Inzh.-fiz. zhur. no. 9:94-101  
S '58, (MIRA 11:10)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina, g. Minsk.  
(Electric discharges)

AUTHORS: Labuda, A. A., Martinkov, Ye. G., SOV/48-22-6-21/28  
Nekrashevich, I. G.

TITLE: On Measuring the Temperature of a Cloud of Luminescent Vapor in  
Electric Pulse Discharges (Ob izmerenii temperatury oblaka  
svetyashchikh parov pri impul'snykh elektricheskikh  
razryadakh)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya fizicheskaya, 1958, Vol. 22,  
Nr 6, pp. 720-724 (USSR)

ABSTRACT: In their introduction the authors describe the method developed  
for this purpose by Ornshteyn as inadequate because it is subject  
to considerable restrictions. As soon as these restrictive con-  
ditions were not satisfied, different results were obtained for  
one and the same discharge according to what pair of lines was in-  
vestigated (Ref 1). This was confirmed also by L. Hult. It is,  
however, possible to obtain an approximation to these conditions  
if, for purposes of measuring temperature, the spectrum is used  
within an interval of time which is suited with respect to a  
smaller volume of the luminescent cloud. In the course of this  
paper the method developed by Ornshteyn was tested for the

Card 1/3

On Measuring the Temperature of a Cloud of Luminescent  
Vapors in Electric Pulse Discharges

SOV/48-22-6-21/28

measurement of temperature by using a metal wire in the spark discharge or electric explosion. It was found that a discharge brought about by a wire with  $d \leq 0.05$  mm does not differ at all from a discharge in air, but that it offers the advantage that variation is possible and that the quantity of the evaporated substance can be accurately determined. Discharge experiments carried out in air and under atmospheric pressure were investigated both in the case of aperiodic and rectangular pulses. The spectral field was investigated by means of a rotatable mirror which was synchronized with the double-beam pulse oscillograph. The entire device corresponded to the description given in the paper (Ref 3) and was used for the purpose of obtaining the light spectrum of the discharge for the period of 1 microsecond. Results are described by 3 diagrams: 1.) The dependence of the relative intensity of the spectral lines on the distance from the discharge axis in a pulse discharge brought about by a thin wire for Fe I, Al II and Al III. 2.) Its dependence on the time of the passage of the pulse discharge through the thin wire and the distance from the discharge axis. 3.) Temperature development with respect

Card 2/3

On Measuring the Temperature of a Cloud of Luminescent  
Vapors in Electric Pulse Discharges

SOV/48-22-6-21/28

to time: Ba II  $\frac{J_{4934}}{J_{4524}}$  , Ba II  $\frac{J_{4934}}{J_{4899}}$  and Ba I  $\frac{J_{6053}}{J_{5519}}$  .

Experiments showed that Ornshteyn's method of using thin wires is possible, but only if zonal distribution and the excitation of spectral lines with respect to time are taken into account. The method cannot be employed for the purpose of determining temperature according to the relative intensity of two spectral lines with considerably differing upper levels, as e.g. according to spark- and arc lines, because excitation does not take place simultaneously with respect to different zones of the discharge. There are 3 figures and 7 references, 3 of which are Soviet.

ASSOCIATION: Belorusskiy gos. universitet im. V. I. Lenina (Belorussian State University imeni V. I. Lenin)

1. Electric discharges--Spectra
2. Electric discharges--Temperature
3. Temperature--Measurement
4. Spectroscopy

Card 3/3

SOV/58-59-8-18395

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 197 (USSR)

AUTHORS: Labuda, A.A., Martinkov, Ye.G., Nekrashevich, I.G., Taumin, D.A.

TITLE: An Apparatus for Studying the Temporal Course of the Optical and Electrical Parameters of a Spark Discharge

PERIODICAL: Uch. zap. Belorussk. un-t, 1958, Nr 41, pp 41-49

ABSTRACT: An apparatus is described for studying in time the optical and electrical parameters of a spark discharge. The time-base sweep of the spectrum is carried out with the aid of a rotating mirror. The mirror is a trihedral prism with an oblique mirror-surface, fastened to another, similar prism in order to balance the rotating system. The time resolution is up to  $5.3 \cdot 10^{-7}$  sec. The apparatus has a synchronization system which serves to collocate in time the spectral and electrical (current and voltage) characteristics of the discharge, and also for inducing the discharge at the required moment of time.

N.M. Yashin

Card 1/1



SOV/58-59-8-18396

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 197 (USSR)

AUTHORS: Labuda, A.A., Nekrashevich, I.G.

TITLE: The Spatial Distribution and Temporal Course of a Glow Spectrum During Electrical Explosion of Wires

PERIODICAL: Uch. zap. Belorussk. un-t, 1958, Nr 41, pp 51-62

ABSTRACT: The spectral and electrical (current, voltage) characteristics of explosions of Cu and Al wires under atmospheric pressure were investigated in the apparatus described above (abstract 18395). Time-base sweeps of the glow spectrum, oscillograms of the current and voltage, and a spectrum of the spatial distribution of the glow were obtained. By the instant of the first maximum of current more heated sections are formed along the entire length of the wire, generating in some cases a continuous spectrum, and in other cases a continuous as well as a line spectrum (arc and spark lines are present). The second stage of the explosion (after a break in the current) has much in common with an ordinary spark discharge, and the non-uniform heating of the wire is

Card 1/2

SOV/58-59-8-18396

The Spatial Distribution and Temporal Course of a Glow Spectrum During Electrical Explosion of Wires

maintained. The temperature of the exploded wire varies in time and differs for various sections of the explosion zone.

N.M. Yashin

Card 2/2

LABUDA, A. A.: Master Phys-Math Sci (diss) -- "Investigation of impulse discharge through a thin metal wire". Minsk, 1959. 11 pp (Min Higher Educ USSR, Beloruss State U im V. I. Lenin, Phys Faculty), 150 copies (KL, No 13, 1959, 99)

LABUDA, A.A.

24(7), 24(0)  
ARTICLE

Stepanov, B. I., *Acadestian AS* 507/50-59-1-9/57  
Beloruskaya SSR

TITLE:  
Investigations by Belorusian Scientists in the Field of Spectroscopy and Luminescence (Moby beloruskikh uchenykh po spektroskopii i lyuminescentatsii)

PERIODICAL:  
Vestnik Akademii nauk SSSR, 1959, Nr 1, pp 68-76 (USSR)

ABSTRACT:  
These investigations are being carried out at the Institut fiziki i matematiki (Institute of Physics and Mathematics) and the fizicheskii fakul'tet beloruskogo universiteta (Physical Department of Belorusian University) under the direction of B. I. Stepanov, and P. I. Fedorov, Corresponding Member, Academy of Sciences, BSSR. In the field of theoretical spectroscopy, the investigations by P. A. Apashevich, B. I. Stepanov, and others are mentioned. Further, the following investigations are indicated:

1. P. Prishivalko, B. I. Stepanov developed a theory of dispersion of light.

2. P. Prishivalko, B. I. Stepanov, and P. I. Fedorov examined, by experiment, dispersion light filters for the infrared range.

3. P. Prishivalko analyzed the accuracy and the field of application of existing determination methods of optical constants of dispersed and not dispersed materials.

4. P. Prishivalko, B. I. Stepanov, and P. I. Fedorov obtained important results concerning the kinetics of luminescence after discharge (spectral intensity and time dependence) of elements in spectrum analysis, and explained the methods of their determination.

5. P. Prishivalko suggested a series of methods to eliminate the influence of third elements.

6. V. Orlovskii, B. I. Stepanov succeeded in sorting out a central method of binary penicillin in ordinary penicillin.

7. P. Prishivalko, B. I. Stepanov, and A. I. Shvartz examined the infrared spectra of various products.

8. A. Borisovich, V. I. Janavich, I. P. Gurinovich examined a series of structural peculiarities of alcohol oxides.

9. A. Borisovich worked out a luminescence method for the determination of the germinating power of the seed of some kinds of trees.

10. Ye. Protchenko obtained good results by the use of luminescence analysis in dermatology.

11. B. Prishivalko examined the absorption spectra of the albumin and glycogen complexes.

12. A. Borisovich used spectral methods for analyzing albuminous fractions in the blood.

13. M. Pavlyuchenko, G. A. Kuznetsov, carried out an extensive spectrofluorimetric examination of the formation of molecular and complex compounds in solutions.

14. A. Borisovich spectroscopically examined the structure of various silicones.

15. I. Stepanov, A. M. Prig, carried out theoretical investigations of the vibrational spectra of various silicate crystals.

Card 5/8

Card 6/8

NEKRASHEVICH, I.G.; LABUDA, A.A.; PLASHCHINSKAYA, R.V.; YERMAKOVA, N.Ye.

Study of the effect of third components by the method of temporal  
scanning of the emission spectrum. Zhur.anal.khim. 17 no.5:  
551-555 Ag '62. (MIRA 16:3)

1. V.I.Lenin Byelorussian State University, Minsk.  
(Spectrum analysis)

NEKRASHEVICH, I.G.; LABUDA, A.A.; PLASHCHINSKAYA, R.V.; YERMAKOVA, N.Ye.

Effect of "third" components by the method of scanning the  
luminescence spectrum with time. Izv. AN SSSR. Ser. fiz. 26  
no.7:892-895 J1 '62. (MIRA 15:8)  
(Spectrum analysis)

LABUDA, G.

"Some remarks concerning the subject and method of historical geography. p. 5.  
Discussion. p. 78." (PRZEGLĄD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW,  
Vol. 25, no. 1, 1953, Warszawa, Poland.)

SO: East European L. C. Vol. 2, No. 12, Dec. 1953

LABUDA, Gerard

Role and tasks of the university in modern organization of education and sciences. Poznan uniw wykł inauguracyjny no.1:3-33 '62.

1. Uniwersytet im. Adama Mickiewicza, Poznan



LABUDA, Gerald

Social significance and forms of activity of the general  
(regional) scientific societies. Nauka Polska 10 no.1:25-40  
Ja-F '62.

LABUDA, JAN.

Zaklady vyživvy hospodarskych zvierat, chov hovadzieho dobytku,  
chov osipanych, chov oviec, chov koz. Martin, Osveta, 1953.  
247 p. (Kniznica vzdelavacich kruzkov, 3) Elements of domestic  
animal feeding, cattle breeding, swine breeding, and sheep  
and goat breeding/  
DA Not in DLC

SOURCE: East European Accessions List, (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

LABUDEV, S.A.

DUBROVNIY, V.A., inzhener; LABUDEV, S.A., inzhener.

Graphic method for selecting systems of compounding and electro-magnetic current correctors under normal conditions of generator operation. Elek.st#28 no.7:56-59 J1 '57. (MIRA 10:9)  
(Electric generators)

LABUDEV, S.A.

Contactless portable d.c. measuring device. Energ. i elektrotekh.  
prom. no.1:34-37 Ja-Mr '63. (MIRA 16:5)

1. Institut elektrotekhniki AN UkrSSR.  
(Electric measurements)

LABUDEV, S.A., inzh.

Oscillographic recording of the electromagnetic moment of electrical machines using integrating networks with e.m.f. Hall transducers.  
Energ. i elektrotekh. prom. no.4:28-30 O-D '64.

(MIRA 18:3)

L 111245-66

ACC NR: AP6026949

SOURCE CODE: UR/0115/66/000/007/0053/0055

AUTHOR: Labudev, S. A.

ORG: none

TITLE: Transistorized photoelectric fluxmeter<sup>10</sup>

SOURCE: Izmeritel'naya tekhnika, no. 7, 1966, 53-55

TOPIC TAGS: fluxmeter, photoelectric fluxmeter

ABSTRACT: Magnetic flux has been measured in the Soviet Union by an F18 photo compensation amplifier which combines an F117 galvanometric amplifier with an FSK-7 photocell. This instrument permits recording processes having frequencies up to 3 cps, which is believed inadequate. Hence, the author has substantially improved its dynamic characteristic by introducing a correcting circuit in its feedback loop (instead of the stabilizing circuit in its amplification loop). Also the electronic portion of the circuit has been designed with transistors only, which reduces the number of autonomous power supplies. The new circuit (principal diagram shown) contains an F117/4 galvanometric amplifier, a d-c cascode amplifier, and a power-supply-and-stabilization unit. The introduction of an additional correcting circuit along with an increased overall gain and a negative derivative-type feedback resulted in a higher speed and stability and also in a better quality of the amplifier transient process. The amplitude-frequency characteristic of the above fluxmeter is practically constant up to 60 cps. Orig. art. has: 2 figures and 5 formulas. [03]

Card 1/1-111/SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 005 UDC: 621.317.444

YAKERSON, Matvey Semenovich; TSYBUL'SKIY, Vladimir Abramovich. Prinimali uchastiye: LABUDIN, I.A.; FEDOROV, Ye.L.; KELLO, I.O.; CHIZHEVSKIY, A.L.; POLENOV, A.N.; NIKITIN, M.N.; IVANOV, I.I.; GEYET, N.V.; FEDOROV, Ye.V.; FEDOSOV, M.G. YEGOROVA, K.I., red.; ONOSKO, N.G., tekhn. red.

[The "Znamia Truda" Factory; a brief account of the "Znamia Truda" Armature Factory in Leningrad] Znamia truda; kratkii ocherk istorii leningradskogo armaturnogo zavoda "Znamia truda," 1960. 207 p. (MIRA 14:4)

(Leningrad--Factories)

GUMEROVA, M.Kh.; ARISTOVA, T.V.; GIL'MANOVA, R.G.; L'VOV, F.V.; BUKCHANPAYEVA,  
M.S.; MUKHAMETSHINA, M.A.; GAYNULLINA, N.M.; KHRAMOVA, N.P.;  
KOBRAKOVA, I.N., red.; LABUDIN, N.T., red.; IBROGIMOVA, Z.A.,  
tekhn.red.

[Forty years of the Tatar A.S.S.R.; statistical collection]  
Tatarskaia ASSR za 40 let; statisticheskii sbornik. Kazan',  
Tatarskoe knizhnoe izd-vo, 1960. 171 p. (MIRA 14:3)

1. Tatar A.S.S.R. Statisticheskoye upravleniye. 2. Nachal'nik  
Statisticheskogo upravleniya Tatarskoy ASSR (for Kobranova).  
(Tatar A.S.S.R.--Statistics)



S/196/62/000/011/008/009  
E194/E155

AUTHORS: Baskutis, P., Marazas, S., and Labudis, A.  
TITLE: Use of the rotating field method to investigate shaded-pole motors

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.11, 1962, 20, abstract 11 1104. (Kauno politechn. inst. darbai, Tr. Kaunassk. politekhn. in-ta, v.14, no.5, 1961, 53-61).

TEXT: Shaded-pole motors have recently been constructed for outputs of 150 and 250 W. The rotating field method has been used to investigate processes in these motors; it allows their characteristics to be calculated fairly simply with allowance for the influence of higher harmonics of the magnetic field, and other problems can be studied. In a shaded-pole single-phase motor the shading coil sets up its own magnetic field which combines with the fields of the main winding. The resultant field in the air gap has a reverse component which is less than the forward component, so that starting torque develops. Tests were made on a motor of

Card 1/2

I:25815-66

ACC NR: AR5018682

SOURCE CODE: UR/0196/65/000/007/V\_005/V005

AUTHOR: Labudo, A.A.; Nekrashevich, I.G.;  
Urakov, V.Ye.; Yermakova, N.Ye. Plashchinskaya, R.V.; 37  
B

ORG: none

TITLE: Measuring the temperature in a pulse discharge

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 7B20

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964,  
434-441

TOPIC TAGS: ~~measuring instrument~~, temperature instrument, optic  
method, temperature measurement, pulse discharge

TRANSLATION: The optical method for determining high temperatures in  
stationary sources with axial symmetry (by the Horman-Larens method)  
is extended to cover cases of pulse discharge. A device was prepared  
on which experimental research was conducted on the space and time  
distribution of temperature, taking into account the fact that the  
process was nonstationary. An earlier deduction regarding the zonal  
character of excitation and of identifying various spectral lines was  
confirmed. (From a resume).

SUB CODE: 20/  
Card 1/1

SUBM DATE: none

UDC: 537.523.4.536.521

LABUDOVIC, D.  
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: [not given]

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